

## Output from the erosion/corrosion model, for failures within 10<sup>6</sup> years

sorted first on DFN realisation, then on ascending failure time

Columns B and C are inputs from the hydrogeological model used in the calculation of failure times.

Columns B, F and G are inputs from the hydrogeological model propagated to the radionuclide transport models, together with the calculated failure times in column E.

Notes on numbering on realisations:

The semi-correlated realisation in addition to the base case were originally numbered r1 - r12, but r2 and r11 were discarded due to technical problems in the hydrogeological modelling.

The semi-correlated realisation r9 does not appear in the table since it yielded no failed canisters.

The series of 5 correlated and 5 uncorrelated realisations in addition to the base cases are both numbered r2 through r6.

DFN	Dep Hole	Flow rate	Sulphide conc.	Failure time	Far field transpc	Advective	
realisation	ID	[m3/y]	[M]	[y]	[yr/m]	travel time, tw	[yr]
Semi,base	1978	0,1442175	1,20E-04	200786	471800		122,6
Semi,base	411	0,161035	1,20E-04	218215	149800		27,54
Semi,base	6875	0,08414	1,20E-04	299140	11970		23,14
Semi,base	401	0,02611	1,20E-04	886073	35890000		1968
Semi, r1	1978	0,1439725	1,20E-04	201037	89910		17
Semi, r1	411	0,14826	1,20E-04	230828	818600		38
Semi, r1	6875	0,0817775	1,20E-04	305884	33970		16
Semi, r1	401	0,02555	1,20E-04	901874	9083000		601
Semi, r3	2026	0,2513	1,20E-04	179621	87820		14
Semi, r3	400	0,0793275	1,20E-04	313807	33140000		2501
Semi, r3	399	0,0600075	1,20E-04	391981	24220000		2021
Semi, r3	398	0,046795	1,20E-04	480309	25290000		2070
Semi, r3	401	0,0423325	1,20E-04	521967	24830000		1994
Semi, r3	2026	0,2513	1,22E-05	845022	87820		14
Semi, r3	2026	0,2513	1,15E-05	891310	87820		14
Semi, r3	2026	0,2513	1,06E-05	956114	87820		14
Semi, r4	5283	0,0322525	1,20E-04	941008	61400		18
Semi, r5	4719	0,0672525	1,20E-04	471801	163400		29
Semi, r6	3048	0,0500325	1,20E-04	526759	116600		241
Semi, r6	6461	0,03346	1,20E-04	978463	3845000		91
Semi, r7	400	0,5565	1,20E-04	122557	564900		61
Semi, r7	401	0,3164	1,20E-04	157805	642100		78
Semi, r7	6647	0,09492	1,20E-04	377494	38170		14
Semi, r7	6561	0,0863275	1,20E-04	402471	157900		19
Semi, r7	6559	0,0752325	1,20E-04	442257	155100		19
Semi, r7	400	0,5565	1,22E-05	569701	564900		61
Semi, r7	400	0,5565	1,15E-05	600806	564900		61
Semi, r7	6646	0,0476175	1,20E-04	612248	471800		31
Semi, r7	400	0,5565	1,06E-05	644354	564900		61
Semi, r7	6560	0,04368	1,20E-04	652328	211100		20
Semi, r7	400	0,5565	1,01E-05	674477	564900		61
Semi, r7	400	0,5565	9,76E-06	693725	564900		61
Semi, r7	401	0,3164	1,22E-05	750814	642100		78
Semi, r7	401	0,3164	1,15E-05	792067	642100		78
Semi, r7	401	0,3164	1,06E-05	849820	642100		78
Semi, r7	401	0,3164	1,01E-05	889770	642100		78

Semi, r7	401	0,3164	9,76E-06	915297	642100	78
Semi, r8	6485	0,266875	1,20E-04	132155	14510	23
Semi, r8	399	0,0333025	1,20E-04	705692	1710000	99
Semi, r8	6485	0,266875	1,22E-05	777848	14510	23
Semi, r8	6485	0,266875	1,15E-05	822765	14510	23
Semi, r8	6485	0,266875	1,06E-05	885650	14510	23
Semi, r8	400	0,02415	1,20E-04	918487	2008000	135
Semi, r8	6485	0,266875	1,01E-05	929149	14510	23
Semi, r8	6485	0,266875	9,76E-06	956944	14510	23
Semi, r10	4938	0,0351225	1,20E-04	803247	11330	20
Semi, r12	396	0,732725	1,20E-04	114485	53660	6
Semi, r12	395	0,358225	1,20E-04	157452	26260	7
Semi, r12	4762	0,083055	1,20E-04	361884	2184000	124
Semi, r12	396	0,732725	1,22E-05	504166	53660	6
Semi, r12	396	0,732725	1,15E-05	531274	53660	6
Semi, r12	396	0,732725	1,06E-05	569225	53660	6
Semi, r12	396	0,732725	1,01E-05	595478	53660	6
Semi, r12	396	0,732725	9,76E-06	612252	53660	6
Semi, r12	395	0,358225	1,22E-05	714768	26260	7
Semi, r12	395	0,358225	1,15E-05	753537	26260	7
Semi, r12	395	0,358225	1,06E-05	807815	26260	7
Semi, r12	395	0,358225	1,01E-05	845360	26260	7
Semi, r12	395	0,358225	9,76E-06	869351	26260	7
Semi, r12	396	0,732725	6,42E-06	893681	53660	6
Corr,base	666	0,27615	1,20E-04	160108	51150	10,73
Corr,base	667	0,27615	1,20E-04	160108	37930	4,929
Corr,base	668	0,2331	1,20E-04	172811	84190	16,84
Corr,base	2890	0,17493	1,20E-04	197204	81720	95,19
Corr,base	527	0,291025	1,20E-04	213030	28940	5,312
Corr,base	528	0,22225	1,20E-04	239846	18590	4,195
Corr,base	589	0,1566075	1,20E-04	285804	169200	5,854
Corr,base	588	0,1553475	1,20E-04	287238	112200	20,19
Corr,base	529	0,1057	1,20E-04	366853	34310	4,967
Corr,base	530	0,0743925	1,20E-04	463580	19540	2,774
Corr,base	359	0,0364	1,20E-04	646960	375200	40,99
Corr,base	1853	0,0413175	1,20E-04	749213	753500	31,77
Corr,base	666	0,27615	1,22E-05	794864	51150	10,73
Corr,base	667	0,27615	1,22E-05	794864	37930	4,929
Corr,base	6873	0,0441875	1,20E-04	815907	134400	22,78
Corr,base	1888	0,0364525	1,20E-04	819697	509400	124,2
Corr,base	527	0,291025	1,22E-05	831351	28940	5,312
Corr,base	666	0,27615	1,15E-05	839021	51150	10,73
Corr,base	667	0,27615	1,15E-05	839021	37930	4,929
Corr,base	668	0,2331	1,22E-05	863700	84190	16,84
Corr,base	527	0,291025	1,15E-05	874365	28940	5,312
Corr,base	666	0,27615	1,06E-05	900841	51150	10,73
Corr,base	667	0,27615	1,06E-05	900841	37930	4,929
Corr,base	668	0,2331	1,15E-05	911762	84190	16,84
Corr,base	527	0,291025	1,06E-05	934583	28940	5,312
Corr,base	666	0,27615	1,01E-05	943603	51150	10,73
Corr,base	667	0,27615	1,01E-05	943603	37930	4,929
Corr,base	528	0,22225	1,22E-05	947398	18590	4,195

Corr,base	666	0,27615	9,76E-06	970927	51150	10,73
Corr,base	667	0,27615	9,76E-06	970927	37930	4,929
Corr,base	527	0,291025	1,01E-05	976239	28940	5,312
Corr,base	668	0,2331	1,06E-05	979048	84190	16,84
Corr,base	528	0,22225	1,15E-05	996619	18590	4,195
Corr,base	2890	0,17493	1,22E-05	999229	81720	95,19
Corr, r2	42	0,5992	1,20E-04	122241	403100	52
Corr, r2	163	0,261975	1,20E-04	176894	26290	5
Corr, r2	162	0,1491175	1,20E-04	236409	28590	9
Corr, r2	164	0,1117725	1,20E-04	288260	148200	26
Corr, r2	48	0,1502025	1,20E-04	350106	116100	12
Corr, r2	165	0,0625275	1,20E-04	439366	46330	12
Corr, r2	166	0,058415	1,20E-04	462476	65780	6
Corr, r2	6828	0,0771575	1,20E-04	475311	199500	14
Corr, r2	49	0,08008	1,20E-04	514494	112100	20
Corr, r2	42	0,5992	1,22E-05	553158	403100	52
Corr, r2	42	0,5992	1,15E-05	583135	403100	52
Corr, r2	42	0,5992	1,06E-05	625103	403100	52
Corr, r2	42	0,5992	1,01E-05	654133	403100	52
Corr, r2	42	0,5992	9,76E-06	672682	403100	52
Corr, r2	6829	0,035525	1,20E-04	817186	21350	7
Corr, r2	163	0,261975	1,22E-05	828596	26290	5
Corr, r2	163	0,261975	1,15E-05	873932	26290	5
Corr, r2	163	0,261975	1,06E-05	937402	26290	5
Corr, r2	163	0,261975	1,01E-05	981306	26290	5
Corr, r2	42	0,5992	6,42E-06	983892	403100	52
Corr, r3	1294	0,177275	1,20E-04	228702	377900	84
Corr, r3	1293	0,0870975	1,20E-04	368303	283400	41
Corr, r3	3704	0,057085	1,20E-04	470798	143200	17
Corr, r3	1291	0,04809	1,20E-04	567344	116500	26
Corr, r3	3982	0,06608	1,20E-04	651633	17750	3
Corr, r3	3705	0,0370475	1,20E-04	658484	113700	7
Corr, r3	5180	0,0298025	1,20E-04	874075	34500	15
Corr, r4	3623	0,14819	1,20E-04	260698	363900	34
Corr, r4	3651	0,109585	1,20E-04	264952	498100	38
Corr, r4	3626	0,101815	1,20E-04	335009	226600	31
Corr, r4	3624	0,101185	1,20E-04	336436	205400	21
Corr, r4	3627	0,1002225	1,20E-04	338647	362900	34
Corr, r4	4926	0,0924175	1,20E-04	342674	32990	8
Corr, r4	3653	0,0681625	1,20E-04	378738	255300	22
Corr, r4	3277	0,10115	1,20E-04	386564	312500	24
Corr, r4	4597	0,06328	1,20E-04	400004	162600	15
Corr, r4	3628	0,0735175	1,20E-04	420566	126200	15
Corr, r4	1719	0,077735	1,20E-04	463094	705600	66
Corr, r4	3781	0,06377	1,20E-04	465841	2501000	180
Corr, r4	4925	0,1841	1,20E-04	477156	62960	13
Corr, r4	4847	0,052045	1,20E-04	484556	22840	8
Corr, r4	3361	0,07014	1,20E-04	493096	265000	44
Corr, r4	1898	0,05712	1,20E-04	558782	640000	48
Corr, r4	3783	0,0491225	1,20E-04	564520	3515000	139
Corr, r4	3782	0,0485625	1,20E-04	569382	1422000	99
Corr, r4	5480	0,0516075	1,20E-04	570807	2975000	66

Corr, r4	5481	0,12467	1,20E-04	581380	4428000	146
Corr, r4	3193	0,054075	1,20E-04	590317	1738000	121
Corr, r4	1897	0,0506625	1,20E-04	608345	133000	29
Corr, r4	5426	0,04599	1,20E-04	621092	6283000	160
Corr, r4	4551	0,041475	1,20E-04	624218	719800	48
Corr, r4	615	0,04151	1,20E-04	660457	1129000	59
Corr, r4	616	0,0414225	1,20E-04	661505	440600	52
Corr, r4	5424	0,041685	1,20E-04	668065	2993000	34
Corr, r4	3652	0,0328475	1,20E-04	679850	511800	36
Corr, r4	1720	0,043295	1,20E-04	695644	202300	42
Corr, r4	3667	0,0481775	1,20E-04	697986	433200	34
Corr, r4	377	0,036435	1,20E-04	737201	173700	24
Corr, r4	3625	0,1017275	1,20E-04	738638	432300	44
Corr, r4	3780	0,06832	1,20E-04	748954	1465000	64
Corr, r4	3779	0,06251	1,20E-04	789709	453000	32
Corr, r4	498	0,027755	1,20E-04	792049	861300	74
Corr, r4	4432	0,0302225	1,20E-04	800095	365200	58
Corr, r4	4553	0,0301175	1,20E-04	802318	243800	35
Corr, r4	4552	0,0257775	1,20E-04	909139	308100	42
Corr, r4	4927	0,075705	1,20E-04	909493	123100	17
Corr, r4	2023	0,025095	1,20E-04	920006	730800	26
Corr, r4	4430	0,0242375	1,20E-04	955747	1029000	101
Corr, r4	3854	0,0235725	1,20E-04	999341	676200	70
Corr, r4	346	0,0369425	1,20E-04	999720	132800	15
Corr, r5	6477	0,625975	1,20E-04	99700	45600	12
Corr, r5	6476	0,294175	1,20E-04	140448	158700	11
Corr, r5	1663	0,11305	1,20E-04	291611	210300	69
Corr, r5	1719	0,1365	1,20E-04	298517	200000	19
Corr, r5	1720	0,1325975	1,20E-04	304118	166300	16
Corr, r5	639	0,078225	1,20E-04	328444	209400	19
Corr, r5	746	0,0618275	1,20E-04	394941	432000	34
Corr, r5	1690	0,0697375	1,20E-04	411886	437400	116
Corr, r5	802	0,0504	1,20E-04	465199	146300	17
Corr, r5	1689	0,0537775	1,20E-04	500118	104400	31
Corr, r5	6477	0,625975	1,22E-05	521301	45600	12
Corr, r5	6472	0,0589225	1,20E-04	533755	398100	21
Corr, r5	584	0,1115275	1,20E-04	539353	198400	19
Corr, r5	6477	0,625975	1,15E-05	550629	45600	12
Corr, r5	6152	0,0588525	1,20E-04	554338	421400	28
Corr, r5	6477	0,625975	1,06E-05	591689	45600	12
Corr, r5	1691	0,0431375	1,20E-04	592270	116700	15
Corr, r5	6477	0,625975	1,01E-05	620092	45600	12
Corr, r5	6477	0,625975	9,76E-06	638240	45600	12
Corr, r5	2698	0,0349125	1,20E-04	716448	1517000	44
Corr, r5	2699	0,0349125	1,20E-04	716448	1517000	44
Corr, r5	6476	0,294175	1,22E-05	755450	158700	11
Corr, r5	2700	0,0324275	1,20E-04	759318	1009000	51
Corr, r5	6476	0,294175	1,15E-05	798233	158700	11
Corr, r5	5387	0,03591	1,20E-04	841254	512000	66
Corr, r5	6476	0,294175	1,06E-05	858128	158700	11
Corr, r5	6476	0,294175	1,01E-05	899560	158700	11
Corr, r5	6476	0,294175	9,76E-06	926034	158700	11

Corr, r5	6477	0,625975	6,42E-06	942721	45600	12
Corr, r5	6687	0,0274575	1,20E-04	957139	66360	8
Corr, r6	500	0,266525	1,20E-04	156636	139400	26
Corr, r6	499	0,263725	1,20E-04	157386	341300	27
Corr, r6	498	0,18725	1,20E-04	183756	171200	26
Corr, r6	2795	0,170695	1,20E-04	200817	505700	88
Corr, r6	5858	0,106925	1,20E-04	251359	115000	79
Corr, r6	5852	0,1029525	1,20E-04	258694	273000	57
Corr, r6	2793	0,1112475	1,20E-04	271170	77040	36
Corr, r6	2263	0,1327375	1,20E-04	271642	1928000	85
Corr, r6	3325	0,10332	1,20E-04	286066	415700	26
Corr, r6	3313	0,091735	1,20E-04	312075	271300	18
Corr, r6	2260	0,0722225	1,20E-04	414879	328300	24
Corr, r6	2262	0,0709275	1,20E-04	420342	3003000	133
Corr, r6	2261	0,070875	1,20E-04	420568	507600	30
Corr, r6	3719	0,073605	1,20E-04	434302	584900	88
Corr, r6	2022	0,06671	1,20E-04	438222	20680000	870
Corr, r6	3772	0,0412475	1,20E-04	596001	359500	29
Corr, r6	823	0,043435	1,20E-04	605684	86180	18
Corr, r6	2796	0,0378875	1,20E-04	706887	1268000	125
Corr, r6	500	0,266525	1,22E-05	802753	139400	26
Corr, r6	499	0,263725	1,22E-05	806923	341300	27
Corr, r6	500	0,266525	1,15E-05	847700	139400	26
Corr, r6	499	0,263725	1,15E-05	852108	341300	27
Corr, r6	500	0,266525	1,06E-05	910625	139400	26
Corr, r6	499	0,263725	1,06E-05	915367	341300	27
Corr, r6	500	0,266525	1,01E-05	954153	139400	26
Corr, r6	498	0,18725	1,22E-05	954603	171200	26
Corr, r6	499	0,263725	1,01E-05	959125	341300	27
Corr, r6	2904	0,026565	1,20E-04	963681	125000	9
Corr, r6	500	0,266525	9,76E-06	981966	139400	26
Corr, r6	3557	0,0246925	1,20E-04	984720	188900	13
Corr, r6	499	0,263725	9,76E-06	987085	341300	27
Corr, r6	821	0,0232575	1,20E-04	992669	707200	48
Uncorr,base	1818	0,2135	1,20E-04	151607	287800	114,7
Uncorr,base	607	0,09401	1,20E-04	319047	2333000	162,1
Uncorr,base	4359	0,056595	1,20E-04	420952	576000	120,3
Uncorr,base	166	0,095655	1,20E-04	469143	13780000	109,2
Uncorr,base	6488	0,05481	1,20E-04	478265	804200	129
Uncorr,base	4760	0,049665	1,20E-04	539518	67650	19,76
Uncorr,base	1789	0,0451675	1,20E-04	549983	38910	21,97
Uncorr,base	5601	0,0347025	1,20E-04	612382	4119000	493,2
Uncorr,base	382	0,0347725	1,20E-04	635363	316200	35,41
Uncorr,base	4677	0,0308	1,20E-04	685805	473500000	3615
Uncorr,base	167	0,0422975	1,20E-04	692442	3426000	118,1
Uncorr,base	302	0,0371875	1,20E-04	692890	1313000	122,2
Uncorr,base	3625	0,0294875	1,20E-04	735683	4207000	454,3
Uncorr,base	504	0,04179	1,20E-04	739934	1152000	59,53
Uncorr,base	509	0,0300475	1,20E-04	741002	670300	91,56
Uncorr,base	4360	0,0279825	1,20E-04	754598	464900	65,54
Uncorr,base	1901	0,032305	1,20E-04	790536	151800	61,95
Uncorr,base	6783	0,0241325	1,20E-04	856491	33620	14,82

Uncorr,base	4764	0,0307825	1,20E-04	859472	214000	33,07
Uncorr,base	4723	0,024535	1,20E-04	859737	177100	35,68
Uncorr,base	309	0,02394	1,20E-04	873279	793500	41,38
Uncorr,base	1818	0,2135	1,22E-05	873513	287800	114,7
Uncorr,base	3855	0,0247625	1,20E-04	888374	1344000	138,6
Uncorr,base	1085	0,0261275	1,20E-04	916826	10100000	552,1
Uncorr,base	1879	0,0242725	1,20E-04	922295	6313000	566,6
Uncorr,base	1818	0,2135	1,15E-05	923732	287800	114,7
Uncorr,base	4516	0,0234325	1,20E-04	941269	1417000	40,47
Uncorr,base	1115	0,0251475	1,20E-04	941955	152900	68
Uncorr,base	308	0,021735	1,20E-04	949005	949300	64,63
Uncorr,base	1930	0,0257075	1,20E-04	950699	198400	27,28
Uncorr,base	1818	0,2135	1,06E-05	994039	287800	114,7
Uncorr,base	6892	0,0199325	1,20E-04	997626	173300	19,53
Uncorr, r2	76	0,462875	1,20E-04	118282	93310	20
Uncorr, r2	5229	0,1666	1,20E-04	302250	4179000	139
Uncorr, r2	432	0,09394	1,20E-04	370633	2591000	59
Uncorr, r2	1365	0,059885	1,20E-04	415483	430200	41
Uncorr, r2	729	0,0629125	1,20E-04	449796	4805000	598
Uncorr, r2	617	0,0507325	1,20E-04	454895	368100	35
Uncorr, r2	619	0,06916	1,20E-04	461819	70980	36
Uncorr, r2	5230	0,227675	1,20E-04	474088	4489000	186
Uncorr, r2	76	0,462875	1,22E-05	608566	93310	20
Uncorr, r2	278	0,1897	1,20E-04	613443	2395000	120
Uncorr, r2	5619	0,0390425	1,20E-04	613695	2317000	175
Uncorr, r2	5935	0,0384825	1,20E-04	641715	2346000	174
Uncorr, r2	76	0,462875	1,15E-05	642672	93310	20
Uncorr, r2	2096	0,0418075	1,20E-04	649152	948600	47
Uncorr, r2	2207	0,034405	1,20E-04	656876	547000	75
Uncorr, r2	2307	0,041685	1,20E-04	671152	18550000	2932
Uncorr, r2	76	0,462875	1,06E-05	690422	93310	20
Uncorr, r2	728	0,035735	1,20E-04	693114	235400	18
Uncorr, r2	76	0,462875	1,01E-05	723451	93310	20
Uncorr, r2	76	0,462875	9,76E-06	744556	93310	20
Uncorr, r2	6003	0,02681	1,20E-04	777138	2297000	66
Uncorr, r2	670	0,03038	1,20E-04	788501	917400	75
Uncorr, r2	3561	0,02485	1,20E-04	822719	6811000	165
Uncorr, r2	730	0,0285775	1,20E-04	828194	2356000	213
Uncorr, r2	3989	0,02667	1,20E-04	836028	222700	32
Uncorr, r2	4346	0,0229425	1,20E-04	900502	104300	23
Uncorr, r2	813	0,0355425	1,20E-04	978839	1134000	59
Uncorr, r3	5827	0,640675	1,20E-04	97815	5757000	292
Uncorr, r3	3972	0,37485	1,20E-04	122620	1321000	152
Uncorr, r3	344	0,243775	1,20E-04	145178	37230	6
Uncorr, r3	3973	0,166985	1,20E-04	180000	831400	130
Uncorr, r3	342	0,238525	1,20E-04	202925	54820	11
Uncorr, r3	58	0,215775	1,20E-04	204234	679400	53
Uncorr, r3	4596	0,0759675	1,20E-04	332803	137700	64
Uncorr, r3	165	0,104965	1,20E-04	340360	1817000	86
Uncorr, r3	1232	0,050785	1,20E-04	499659	367300	119
Uncorr, r3	5827	0,640675	1,22E-05	514551	5757000	292
Uncorr, r3	4233	0,0537775	1,20E-04	533425	6402000	135

Uncorr, r3	3881	0,0397075	1,20E-04	543024	7250000	179
Uncorr, r3	5827	0,640675	1,15E-05	543541	5757000	292
Uncorr, r3	5827	0,640675	1,06E-05	584127	5757000	292
Uncorr, r3	5827	0,640675	1,01E-05	612202	5757000	292
Uncorr, r3	5827	0,640675	9,76E-06	630141	5757000	292
Uncorr, r3	6547	0,0369425	1,20E-04	655668	309600000	5121
Uncorr, r3	3972	0,37485	1,22E-05	667437	1321000	152
Uncorr, r3	6558	0,0504175	1,20E-04	678972	252400000	4107
Uncorr, r3	371	0,0332325	1,20E-04	696970	364900	115
Uncorr, r3	3972	0,37485	1,15E-05	705337	1321000	152
Uncorr, r3	392	0,0315875	1,20E-04	724629	166800	19
Uncorr, r3	3972	0,37485	1,06E-05	758397	1321000	152
Uncorr, r3	3691	0,031255	1,20E-04	761317	1948000	255
Uncorr, r3	5423	0,02793	1,20E-04	766092	3756000	298
Uncorr, r3	3902	0,0579425	1,20E-04	791297	504900	74
Uncorr, r3	3972	0,37485	1,01E-05	795100	1321000	152
Uncorr, r3	3437	0,02499	1,20E-04	799181	130600000	1629
Uncorr, r3	3972	0,37485	9,76E-06	818553	1321000	152
Uncorr, r3	344	0,243775	1,22E-05	820770	37230	6
Uncorr, r3	1240	0,02996	1,20E-04	848044	8587000	214
Uncorr, r3	408	0,023765	1,20E-04	863428	397700	57
Uncorr, r3	344	0,243775	1,15E-05	867768	37230	6
Uncorr, r3	3713	0,02408	1,20E-04	882240	1659000	135
Uncorr, r3	342	0,238525	1,22E-05	885912	54820	11
Uncorr, r3	4610	0,0243775	1,20E-04	896679	5818000	447
Uncorr, r3	1615	0,023485	1,20E-04	904888	3920000	312
Uncorr, r3	58	0,215775	1,22E-05	922324	679400	53
Uncorr, r3	1652	0,0259525	1,20E-04	922663	460600	45
Uncorr, r3	5827	0,640675	6,42E-06	931109	5757000	292
Uncorr, r3	342	0,238525	1,15E-05	933424	54820	11
Uncorr, r3	344	0,243775	1,06E-05	933564	37230	6
Uncorr, r3	4896	0,0226975	1,20E-04	933590	13820	27
Uncorr, r3	377	0,0226275	1,20E-04	952520	49430	14
Uncorr, r3	5285	0,0232575	1,20E-04	956580	4689000	315
Uncorr, r3	58	0,215775	1,15E-05	972278	679400	53
Uncorr, r3	344	0,243775	1,01E-05	979078	37230	6
Uncorr, r3	342	0,238525	1,06E-05	999941	54820	11
Uncorr, r4	440	0,212275	1,20E-04	202310	205300	25
Uncorr, r4	4743	0,2401	1,20E-04	207040	12000000	235
Uncorr, r4	4777	0,1160075	1,20E-04	267584	27470	24
Uncorr, r4	400	0,06762	1,20E-04	442056	171800	25
Uncorr, r4	5268	0,0569625	1,20E-04	448948	70190000	3095
Uncorr, r4	2158	0,0877975	1,20E-04	488789	71060	13
Uncorr, r4	1793	0,0587475	1,20E-04	552316	1772000	61
Uncorr, r4	2020	0,057085	1,20E-04	573945	321900	40
Uncorr, r4	2030	0,0354375	1,20E-04	613547	1694000	83
Uncorr, r4	2394	0,0473375	1,20E-04	690114	390200	51
Uncorr, r4	4734	0,054425	1,20E-04	697601	584300	24
Uncorr, r4	946	0,0326025	1,20E-04	746421	2135000	152
Uncorr, r4	1292	0,036435	1,20E-04	753706	115800	43
Uncorr, r4	2226	0,0710325	1,20E-04	785444	178800	21
Uncorr, r4	6823	0,02527	1,20E-04	814739	101200	22

Uncorr, r4	407	0,0289275	1,20E-04	850765	753500	109
Uncorr, r4	3907	0,0295575	1,20E-04	877083	830600	78
Uncorr, r4	4743	0,2401	1,22E-05	887784	12000000	235
Uncorr, r4	2737	0,025935	1,20E-04	911810	20160000	446
Uncorr, r4	440	0,212275	1,22E-05	926296	205300	25
Uncorr, r4	4743	0,2401	1,15E-05	935140	12000000	235
Uncorr, r4	534	0,02268	1,20E-04	935200	2936000	95
Uncorr, r4	2558	0,0372925	1,20E-04	945609	152400	26
Uncorr, r4	5636	0,02632	1,20E-04	962299	5658	15
Uncorr, r4	617	0,0231175	1,20E-04	964253	591100	64
Uncorr, r4	440	0,212275	1,15E-05	976660	205300	25
Uncorr, r5	379	0,080605	1,20E-04	387508	439300	49
Uncorr, r5	818	0,06048	1,20E-04	451047	1260000	114
Uncorr, r5	1539	0,04704	1,20E-04	466057	2865000	454
Uncorr, r5	6186	0,05061	1,20E-04	478508	10180000	209
Uncorr, r5	819	0,052885	1,20E-04	499385	2294000	132
Uncorr, r5	5143	0,04333	1,20E-04	524574	66050	12
Uncorr, r5	2013	0,0420875	1,20E-04	566306	141400	71
Uncorr, r5	4138	0,0329175	1,20E-04	634460	6032000	241
Uncorr, r5	1102	0,03465	1,20E-04	649368	438000	79
Uncorr, r5	817	0,03689	1,20E-04	661157	2763000	217
Uncorr, r5	4793	0,033495	1,20E-04	743260	42850000	426
Uncorr, r5	111	0,0283325	1,20E-04	745866	46970000	508
Uncorr, r5	621	0,0313425	1,20E-04	759356	666400	61
Uncorr, r5	2009	0,038885	1,20E-04	762003	106500	27
Uncorr, r5	2008	0,03612	1,20E-04	804098	502800	30
Uncorr, r5	6433	0,0294	1,20E-04	853560	69480	71
Uncorr, r5	2157	0,0263025	1,20E-04	866716	12400000	319
Uncorr, r5	807	0,0298375	1,20E-04	893332	907200	96
Uncorr, r5	3277	0,0240975	1,20E-04	905803	5048000	194
Uncorr, r5	3857	0,04809	1,20E-04	913629	1733000	311
Uncorr, r5	319	0,03115	1,20E-04	931276	1403000	55
Uncorr, r5	4553	0,03633	1,20E-04	952591	16000	27
Uncorr, r5	6679	0,020195	1,20E-04	986755	20890000	1946
Uncorr, r6	4787	0,442925	1,20E-04	112134	1020000	53
Uncorr, r6	4257	0,090615	1,20E-04	325464	281300	28
Uncorr, r6	467	0,1011325	1,20E-04	333228	30770	4
Uncorr, r6	3978	0,0658525	1,20E-04	356820	8496000	974
Uncorr, r6	4256	0,0784875	1,20E-04	361636	890200	44
Uncorr, r6	3719	0,0667625	1,20E-04	383105	3802000	280
Uncorr, r6	4150	0,0621075	1,20E-04	403339	16710000	1834
Uncorr, r6	4258	0,0648375	1,20E-04	417177	28380	20
Uncorr, r6	469	0,06951	1,20E-04	433885	98660	7
Uncorr, r6	468	0,0525	1,20E-04	532897	16390	5
Uncorr, r6	4843	0,0727475	1,20E-04	574758	566100	55
Uncorr, r6	4787	0,442925	1,22E-05	613338	1020000	53
Uncorr, r6	2019	0,0333375	1,20E-04	642898	713200	63
Uncorr, r6	4787	0,442925	1,15E-05	648204	1020000	53
Uncorr, r6	5853	0,0410025	1,20E-04	686002	744200	58
Uncorr, r6	4787	0,442925	1,06E-05	697017	1020000	53
Uncorr, r6	4787	0,442925	1,01E-05	730782	1020000	53
Uncorr, r6	4787	0,442925	9,76E-06	752357	1020000	53



Uncorr, r6	1834	0,0372575	1,20E-04	765640	348700	60
Uncorr, r6	5719	0,024535	1,20E-04	909874	244400	28
Uncorr, r6	52	0,0301525	1,20E-04	913785	680100	42
Uncorr, r6	3384	0,02352	1,20E-04	923243	10740000	768
Uncorr, r6	4780	0,036295	1,20E-04	933377	2759000	108
Uncorr, r6	122	0,0209825	1,20E-04	948570	3144000	106
Uncorr, r6	654	0,0244825	1,20E-04	951729	440100	75
Uncorr, r6	655	0,0244825	1,20E-04	951729	440100	75
Uncorr, r6	1229	0,0288925	1,20E-04	958180	186700	83
Uncorr, r6	4255	0,031395	1,20E-04	967383	84760	13
Uncorr, r6	4259	0,0222425	1,20E-04	980613	7525000	496
Uncorr, r6	89	0,0217175	1,20E-04	996141	393300	51